# Journal of Sedimentary Petrology

## INDEX TO VOLUME 27


A Bahamian faecal-pellet sediment..... 126
Absaroka Range, Wyoming, Mineral alteration in rocks of Middle Eocene age..... 32
Adjustment of land derived clays to the marine environment, The..... 355
A fabric and petrologic study of the Pleasantview Sandstone..... 41
A fabric and petrologic study of the Pleasantview Sandstone, discussion... 198
Albee, H. F., article by..... 135
A light-weight auger with quickly detachable joints, note..... 342
Allen, J. E., article by..... 265
A new method for obtaining significant average directional measurements in cross-stratification studies..... 313
Announcements.....223, 476
*Anthraconaia lenisulcata*.....405, 415
Appositional fabric study of the coastal sedimentaries, East Godavari district, Andhra, India..... 447
A statistical study of heavy minerals in sands of the South River, Augusta County, Virginia..... 387
Authigenic biotite in spheroidal reduction spots, Pierce Canyon Redbeds, Texas and New Mexico..... 177
Authigenic brookite in Cretaceous Gallup Sandstone, Gallup, New Mexico..... 265
Authigenic montmorillonoid cement in andesitic sandstones of central California..... 298

Bacterial precipitation of carbonates in sea water, Studies on..... 190
*Bacterium calcis*..... 190
Bahamian faecal-pellet sediment, A..... 126
Baja California: Sebastian Viscaino, San Cristobal, and Todos Santos, Sediments of three bays of..... 95
*Batillaria minima*.....126, 127
Beach erosion and concentration of heavy mineral sands..... 143
Bissell, H. J., article by..... 417
Bokman, J., article by..... 333
Bokman, J., errata by..... 475
Bonham, L. C., article by..... 251
Bradley, J. S., article by..... 116
Brazos River bar: A study in the significance of grain size parameters..... 3
Brookite in Cretaceous Gallup Sandstone, Gallup, New Mexico, Authigenic..... 265

California, Authigenic montmorillonoid cement in andesitic sandstones of central 298
California, Clay minerals from the Ventura Basin..... 336
California, Structural petrology of the Pico Anticline, Los Angeles County..... 251
Ca/Mg ratio, Classification of limestones and dolomites on basis of..... 187
Carboniferous sandstones in northern Derbyshire, England, The lithology, with particular reference to cementation, of Upper..... 405
Carozzi, A., article by..... 271
Carroll, D., article by..... 387
*Cerithium septemstriatum*..... 127
Chilingar, G. V., article by..... 187
Chinle Formation, Comparison of the pebbles of the Shinarump and Moss Back Members of the..... 135
Classification of limestones and dolomites on basis of Ca/Mg ratio..... 187
Clay minerals from the Ventura Basin, California..... 336
*Clypeina jurassica*..... 278
Combined preferential staining and cellulose peel technique..... 417
Comparison of percentage and ratio data in facies mapping..... 293
Comparison of the pebbles of the Shinarump and Moss Back Members of the Chinle Formation..... 135
Cook, R. J. B., article by..... 148
*Corallina*.....181, 182, 184
Cretaceous Gallup Sandstone, Gallup, New Mexico, Authigenic brookite in..... 265
Criteria used for distinguishing lacustrine and fluvial sediments in Tertiary beds of Uinta Basin, Utah..... 373
Cross-stratification, Flume experiments on the production of stratification and 129
Cross-stratification studies, A new method for obtaining significant average directional measurements in..... 313

Decker, R. W., review by..... 204
Differential compaction of Pennsylvanian sediments in relation to sand-shale ratios, Jefferson County, Illinois..... 80
Differentiation of marine and sub-aerial sedimentary environments by volume percentage of heavy minerals, Mustang Island, Texas..... 116
Dolomite growth in coralline algae..... 181
*Donax*..... 100
Dreimanis, A., article by..... 148

Eastern Interior Coal Basin, Pennsylvanian sandstones of the..... 227
Effects of sphericity, roundness, and velocity on traction transportation of sand grains..... 27
Egyptian dune sands, Mechanical constitution of certain present-day..... 421
Emery, K. O., article by..... 95
England, The lithology, with particular reference to cementation, of Upper Carboniferous sandstones in northern Derbyshire..... 405
Eocene age, Absaroka Range, Wyoming, Mineral alteration in rocks of Middle. 32

Fabric and petrologic study of the Pleasantview Sandstone, A..... 41
Fabric and petrologic study of the Pleasantview Sandstone, A, discussion..... 198
Flume experiments on the production of stratification and cross-stratification. 129
Fluvial gravel fabric..... 162
Folk, R. L., article by..... 3

Gallup Sandstone, Gallup, New Mexico, Authigenic brookite in Cretaceous... 265
Giridih Basin, Bihar, India, Trends of sedimentation in... 435
Glass, H. D., article by... 56
Goldman, M. I., discussion by... 196
Gorsline, D. S., article by... 95
Greensmith, J. T., article by... 405

Harris, S. A., article by... 421
Hay, R. L., article by... 32
Heavy mineral sands, Beach erosion and concentration of... 143
Heavy mineral studies in tills of Ontario and adjacent area... 148
Heavy minerals in sands of the South River, Augusta County, Virginia, A statistical study of... 387
Heavy minerals, Mustang Island, Texas, Differentiation of marine and subaerial sedimentary environments by volume percentage of... 116
Hydrothermal alteration of Phosphoria mudstones... 453

Illinois, Differential compaction of Pennsylvanian sediments in relation to sand-shale ratios, Jefferson County... 80
Illinois, Mineralogy of some Pennsylvanian carbonate rocks of... 56
India, Appositional fabric study of the coastal sedimentaries, East Godavari district, Andhra... 447
India, Trends of sedimentation in Giridih Basin, Bihar... 435

Knox, K. S., article by... 148
Kornicker, L. S., article by... 126
Krumbein, W. C., article by... 293

Lake Mead, Surficial sediment in... 378
LaLou, C., article by... 190
Lerbekmo, J. F., article by... 298
Light-weight auger with quickly detachable joints, A, note... 342
Lithology, with particular reference to cementation, of Upper Carboniferous sandstones in northern Derbyshire, England, The... 405

McKee, E. D., article by... 129
Mechanical constitution of certain present-day Egyptian dune sands... 421
Memorial to William Henry Twenhofel... 202
Miesch, A. T., article by... 313
Miller, D. N., Jr., article by... 177
Mineral alteration in rocks of Middle Eocene age, Absaroka Range, Wyoming... 32
Mineralogy of some Pennsylvanian carbonate rocks of Illinois... 56
Montmorillonoid cement in andesitic sandstones of central California, Authigenic... 298
Moretti, F. J., articles by... 148, 282
Morris, W. J., article by... 27
Moss Back Members of the Chinle Formation, Comparison of the pebbles of the Shinarump and... 135
Mueller, J. C., article by... 80

Nature and origin of Argentine loess, The... 322
New method for obtaining significant average directional measurements in cross-stratification studies, A... 313
New Mexico, Authigenic biotite in spheroidal reduction spots, Pierce Canyon Redbeds, Texas and... 177
New Mexico, Authigenic brookite in Cretaceous Gallup Sandstone, Gallup... 265

Observations on limestones... 282
Ogniben, L., article by... 64
Ogniben, L., discussion by... 469
Ontario and adjacent areas, Heavy mineral studies in tills of... 148

Pennsylvanian carbonate rocks of Illinois, Mineralogy of some... 56
Pennsylvanian sandstones of the Eastern Interior Coal Basin... 227
Pennsylvanian sediments in relation to sand-shale ratio, Jefferson County, Illinois, Differential compaction of... 80
Phosphoria mudstones, Hydrothermal alteration of... 453
Picard, M. D., article by... 373
Pierce Canyon Redbeds, Texas and New Mexico, Authigenic biotite in spheroidal reduction spots... 177
"Playfair's Illustrations of the Huttonian Theory," review of... 351
Pleasantview Sandstone, A fabric and petrologic study of the... 41
Pleasantview Sandstone, A fabric and petrologic study of the, discussion... 198
Pleasantview Sandstone, Reply to the "discussion" of a fabric and petrologic study of the, discussion... 346
Poole, D. M., article by... 460
Powers, M. C., article by... 355
*Pseudomonas calcis*... 190
Purdy, E. G., article by... 126

Quaide, W., article by... 336

Rao, C. B., article by... 143
Rao, C. N., article by... 435
Raup, O. B., article by... 313
Reavely, G. H., article by... 148
Relations of gypsum and anhydrite, discussions of... 196, 469
Reply to the "discussion" of a fabric and petrologic study of the Pleasantview Sandstone, discussion... 346
Rolfe, B. N., article by... 378
Rooney, L. F., article by... 453
Roundness, and velocity on traction transportation of sand grains, Effects of sphericity,... 27
Rusnak, G. A., article by... 41
Rusnak, G. A., discussion by... 346

Sanders, J. E., discussion by ..... 198
Sand-shale ratios, Jefferson County, Illinois, Differential compaction of Pennsylvanian sediments in relation to ..... 80
Schlanger, S. O., article by ..... 181
Schlee, J., article by ..... 162
Secondary gypsum of the Sulphur Series, Sicily, and the so-called integration .. 64
"Sedimentary Rocks," review of ..... 204
Sedimentation in Giridih Basin, Bihar, India, Trends of ..... 435
Sediments of three bays of Baja California: Sebastian Viscaino, San Cristobal, and Todos Santos ..... 95
Shinarump and Moss Back Members of the Chinle Formation, Comparison of the pebbles of the ..... 135
Shrock, R. R., memorial by ..... 202
Sicily, and the so-called integration, Secondary gypsum of the Sulphur Series .... 64
Siever, R., article by ..... 56, 227
Size analysis of sand by a sedimentation technique ..... 460
Smith, H. T. U., review by ..... 351
Society of Economic Paleontologists and Mineralogists
Membership list ..... 91
Program for S.E.P.M. St. Louis Meeting 89
Records and Activities ..... 205
Revised Constitution and By-laws ..... 471
South River, Augusta County, Virginia, A statistical study of heavy minerals in sands of the ..... 387
Sphericity, roundness, and velocity on traction transportation of sand grains, Effects of ..... 27
Sriramadas, A., article by ..... 447
Statistical study of heavy minerals in sands of the South River, Augusta County, Virginia ..... 387
Stratification and cross-stratification, Flume experiments on the production of ..... 129
Structural petrology of the Pico Anticline, Los Angeles County, California ..... 251
Studies on bacterial precipitation of carbonates in sea water ..... 190
Suggested use of bed-thickness measurements in stratigraphic descriptions ... 333
Suggested use of bed-thickness measurements in stratigraphic descriptions, errata ..... 475
Sulfur Series, Sicily, and the so-called integration, Secondary gypsum of the .... 64
Sun, Ming-Shan, article by ..... 265
Surficial sediment in Lake Mead ..... 378

Taylor, J. C. M., note by ..... 342
Terry, R. D., article by ..... 95
Tertiary beds of Uinta Basin, Utah, Criteria used for distinguishing lacustrine and fluvial sediments in ..... 373
Teruggi, M. E., article by ..... 322
Texas and New Mexico, Authigenic biotite in spheroidal reduction spots, Pierce Canyon Redbeds ..... 177
Texas, Differentiation of marine and subaerial environments by volume percentage of heavy minerals, Mustang Island ..... 116
The nature and origin of Argentein loess ... 322
Three-dimensional shape analysis of fine-grained sediments ..... 306
Tracing turbidity current deposits down the slope of an alpine basin ..... 271
Trends of sedimentation in Giridih Basin, Bihar, India ..... 435
Turbidity current deposits down the slope on an alpine basin, Tracing ..... 271
Twenhofel, William Henry, Memorial to .. 202

Uchupi, E., article by ..... 95
Uinta Basin, Utah, Criteria used for distinguishing lacustrine and fluvial sediments in Tertiary beds of ..... 373
Utah, Criteria used for distinguishing lacustrine and fluvial sediments in Tertiary beds of Uinta Basin ..... 373

Velocity on traction transportation of sand grains, Effects of sphericity, roundness, and ..... 27
Ventura Basin, California, Clay minerals from the ..... 336
Virginia, A statistical study of heavy minerals in sands of the South River, Augusta County ..... 387

Wanless, H. R., article by ..... 80
Ward, W. C., article by ..... 3
White, G. W., "Playfair's Illustrations of the Huttonian Theory" ..... 351
Wright, A. E., article by ..... 306
Wyoming, Mineral alteration in rocks of Middle Eocene age, Absaroka Range .. 32